

Status of Economic and Technology Advancement Advisory Committee

Update to the Environmental
Justice Advisory Committee

January 28, 2008

*Steve Church, Mike FitzGibbon
California Air Resources Board*

ETAAC Formed by ARB in Response to AB32

- *"advise (ARB) on activities that will facilitate investment in and implementation of technological research and development opportunities including, but not limited to, identifying new technologies, research, demonstration projects, funding opportunities, developing state, national, and international partnerships and technology transfer opportunities, and identifying and assessing research and advanced technology investment and incentive opportunities that will assist in the reduction of greenhouse gas emissions. The committee may also advise the ARB on state, regional, national, and international economic and technological developments related to greenhouse gas emission reductions."*
- Also received direction to cooperate closely with Environmental Justice Advisory Committee and Market Advisory Committee

ETAAC Consists of 20 Members

- Members represent academia, finance, manufacturing, energy, transportation, agriculture, forestry
- Chaired by Alan Lloyd, former ARB chair and Secretary of Cal/EPA
- Vice Chair Bob Epstein, co-founder of Environmental Entrepreneurs

ETAAC Has Held 8 Meetings Since Committee Formation

- Statewide meetings in South Coast, Bay area and SJ Valley
- Several in Sacramento, most recent this past Friday (Jan. 25)
- Final meeting planned for Feb.11 in Sacramento
- Present report to Board Feb. 28

ETAAC Has Worked to Gather Information & Ideas, Present Recommendations

- Early meetings focused on information gathering
 - Invited presentations
 - Public comment periods
 - Written public comments
- Later meetings turned to discussion of the report drafts
 - Nov. 15 draft covered at Nov. 29, Dec. 13 meetings
 - Dec. 21 draft and comments discussed at January 25 meeting

ETAAC's Work Nearing Conclusion

- Final report will collect and convey the opinions and expertise of the ETAAC members
 - Regarding GHG technologies, and other ways to control GHG emissions

Draft Report Organized Around Sectors

- Financial
- Transportation
- Industrial, Commercial, Residential Energy Use
- Electricity and Natural Gas
- Agricultural
- Forestry
- Water
- Each sector makes a set of recommendations
 - Time frame, GHG reduction potential, ease of implementation, co-benefits, responsible parties, problem being addressed, possible solutions
 - Current draft includes ~50 separate recommendations
 - Examples: California Carbon Trust, low carbon fuels,

Draft Report Summary Promotes 5 Strategies...

- Strategy #1: Accelerate GHG Emission Reductions
- Strategy #2: Balance a Portfolio of Economic and Technology Policies
- Strategy #3: Create Innovative Public Funding to Complement Private Investment
- Strategy #4: Create International and Domestic Partnerships
- Strategy #5: Coordination Across State Agencies

...for Addressing 5 Opportunities

- Opportunity #1: Accelerate Efficiency Measures
- Opportunity #2: Remove Carbon from Energy Sources
- Opportunity #3: Rethink Transportation to Lower Demand and Carbon Emissions
- Opportunity #4: Reduce GHG Emissions from Industry, Agriculture, Forestry and Water
- Opportunity #5: Encourage Cleantech Manufacturing and Green-Collar Jobs

ETAAC Draft Comments on Market Advisory Committee Report

- Looked for MAC report policies affect on investment/implementation related to ARB's GHG goals
- Global observation:
 - A cap-and-trade system cannot address all of the GHG reduction and market issues
 - Complementary measures and regulations are also needed

ETAAC Recognizes the Important Role of the EJAC as a Companion Advisory Committee

- EJ Committee co-chairs spoke to the Committee on several occasions
 - Provided personal comments
- EJ Committee also discussed ETAAC work at past EJAC meetings

ETAAC Appreciates the Input Already Provided by EJAC

- ETAAC responses include:
 - Addition of a solar PV recommendation, and additional solar PV technology discussions
 - Revised carbon capture & storage discussion to reflect safety and other concerns
 - Revised discussion of labor law effects on commute travel to reflect concerns & uncertainties identified by EJAC; topic better placed into context with other alternatives
 - Added discussions of major strategies & opportunities needed to achieve GHG goals
- ETAAC recommendations do not contain implementation-level detail
 - ETAAC recognizes importance of EJ Committee guidance on how to implement ETAAC recommendations in ways that avoid negative EJ effects and maximize potential public health and other EJ benefits.

Next and Final ETAAC Meeting Planned for February 11

- Last opportunity for ETAAC to hear and discuss comments regarding draft final report
 - Prior to considering adoption of draft final report
- Plan to submit report to ARB at February 28 board meeting
- ETAAC has requested EJ Committee for formal written comments on ETAAC draft report by January 31
 - To support this schedule

Questions or Comments?

- If the EJ Committee members have any questions or comments, we will be happy to hear them and convey them to the ETAAC members

Thank you for your time today!

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